Performance Data Sheet

AEA3417YXA

General Information

Model	AEA3417YXA	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	RSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	1570	1380	1240	1130	1030	919	785
	Watts	179	199	210	216	219	222	227
	Amps	2.69	2.73	2.76	2.79	2.81	2.85	2.90
	Lb/h	20.3	18.6	17.6	16.9	16.3	15.5	14.1
25	Btu/h	1750	1540	1380	1260	1150	1030	892
	Watts	191	211	223	230	234	239	246
	Amps	2.70	2.76	2.81	2.84	2.89	2.93	3.00
	Lb/h	22.6	20.8	19.7	18.9	18.2	17.4	16.2
30	Btu/h	1970	1740	1560	1420	1300	1170	1030
	Watts	201	222	235	242	248	254	262
	Amps	2.72	2.80	2.85	2.91	2.96	3.02	3.09
	Lb/h	25.6	23.6	22.3	21.4	20.7	19.9	18.7
35	Btu/h	2220	1960	1760	1610	1470	1330	1180
	Watts	211	232	246	254	261	268	278
	Amps	2.76	2.85	2.91	2.98	3.04	3.11	3.19
	Lb/h	29.0	26.8	25.3	24.4	23.6	22.8	21.6
40	Btu/h	2480	2200	1990	1810	1660	1510	1350
	Watts	222	243	257	267	274	282	293
	Amps	2.83	2.92	3.00	3.07	3.13	3.21	3.30
	Lb/h	32.8	30.4	28.7	27.6	26.8	26.0	24.8
45	Btu/h	2760	2460	2220	2020	1850	1690	1520
	Watts	235	257	271	281	289	299	311
	Amps	2.92	3.02	3.11	3.18	3.26	3.34	3.43
	Lb/h	36.8	34.1	32.3	31.1	30.2	29.3	28.2
50	Btu/h	3050	2720	2450	2240	2050	1870	1690
	Watts	252	274	288	299	308	318	332
	Amps	3.06	3.17	3.26	3.33	3.41	3.49	3.59
	Lb/h	40.8	37.9	35.9	34.6	33.6	32.7	31.6
55	Btu/h	3330	2970	2690	2450	2240	2050	1850
	Watts	274	296	310	321	331	342	357
	Amps	3.25	3.36	3.45	3.53	3.61	3.69	3.78
	Lb/h	44.9	41.7	39.5	38.0	36.9	35.9	34.8

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	5.971779E+03	-6.790044E+02	1.614350E+00	7.561868E+01
C2	2.888760E+01	6.966415E+00	-3.009869E-02	2.200006E-01
C3	-1.207290E+02	1.986422E+01	3.468285E-02	-1.580407E+00
C4	1.669231E+00	-1.463549E-01	-2.962344E-04	2.574597E-02
C5	-7.658308E-01	-1.707061E-02	6.140460E-04	-1.110418E-02
C6	1.038038E+00	-1.632034E-01	-3.846305E-04	1.461704E-02
C7	-9.735104E-03	1.738295E-03	1.098456E-05	-1.640390E-04
C8	-2.870728E-03	-1.988272E-04	-4.382012E-06	-2.223624E-05
C9	2.944001E-03	2.214053E-04	-6.246556E-07	4.950129E-05
C10	-3.151293E-03	4.377226E-04	1.229982E-06	-4.634284E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature